

Description of Additional Supplementary Files

File name: Supplementary Movies 1-3

Description: Growth of HCl010 cells in MAT-E culture conditions. Time-lapse imaging of HCl010 PDX cells in MAT-E culture at day 7 post seeding. Growth shown over the course of 48 hours.

File name: Supplementary Data 1

Description: Identification of genes differentially in PDX cells after culture. Differential expression analysis identified 1,732 genes up and downregulated following MAT-E culture that were conserved across all PDX models ($\log_{2}FC > 2.0$, $p < 0.05$). Adjusted P-values were determined in DESeq2 by Benjamini-Hochberg adjustment of Wald test P-values.

File name: Supplementary Data 2

Description: Source data for Figures 1-7.